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11

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☐ Yes ☒ No

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In re Patent Application of :)	Confirmation No. 9289
)	
Peter Stougaard et al.)	Group Art Unit: 1652
)	
Application No.: 09/824,053)	Examiner: W. Moore
)	
Filed: April 3, 2001)	

For: RECOMBINANT HEXOSE OXIDASE: A METHOD OF PRODUCING SAME
AND USE OF SUCH ENZYME

DRAFT CLAIM AMENDMENTS

Claims 1-8 (Canceled)

9. (Currently amended) [A] An isolated DNA fragment encoding a *Chondrus*
crispus polypeptide ~~[in isolated form] having hexose oxidase activity, said *Chondrus Crispus*~~
polypeptide comprising at least one ^{the} amino acid sequence ~~selected from the group consisting of~~

- (i) Tyr-Glu-Pro-Tyr-Gly-Gly-Val-Pro (SEQ ID NO:1),
- (ii) Ala-Ile-Ile-Asn-Val-Thr-Gly-Leu-Val-Glu-Ser-Gly-Tyr-Asp-X-X-X-Gly-Tyr-X-Val-Ser-Ser (SEQ ID NO:2),
- (iii) Asp-Leu-Pro-Met-Ser-Pro-Arg-Gly-Val-Ile-Ala-Ser-Asn-Leu-X-Phe (SEQ ID NO:3),
- (iv) Asp-Ser-Glu-Gly-Asn-Asp-Gly-Glu-Leu-Phe-X-Ala-His-Thr (SEQ ID NO:4),
- (v) Tyr-Tyr-Phe-Lys (SEQ ID NO:5),
- (vi) Asp-Pro-Gly-Tyr-Ile-Val-Ile-Asp-Val-Asn-Ala-Gly-Thr-X-Asp (SEQ ID NO:6),
- (vii) X-Ile-Arg-Asp-Phe-Tyr-Glu-Glu-Met (SEQ ID NO:8),

where X represents an amino acid selected from the group consisting of Ala, Arg, Asn, Asp, ^[Asx] Cys, Gln, Glu, ^[Glx] Gly, His, Ile, Leu, Lys, Met, Phe, Pro, Ser, Thr, Trp, Tyr and Val.